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(71) Applicant (for all designated States except US): NEURO-
GEN CORPORATION [US/US]; 35 Northeast Industrial
Road, Branford, CT 06405 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BAKTHA-
VATCHALAM, Rajagopal [US/US]; 67 Hickory Lane,
Madison, CT 06443 (US). DE LOMBAERT, Stéphane
[BE/US]; 37 Concord Drive, Madison, CT 06443 (US).

(74) Agents: ALEXANDER, John, B. et al.; Edwards & An-
gell, LLP, P.O. Box 55874, Boston, MA 02205 (US).

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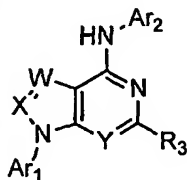
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(I)

(57) Abstract: Aryl-substituted purine analogues are provided, of the formula: (I) wherein variables are as described herein. Such compounds are ligands that may be used to modulate specific receptor activity *in vivo* or *in vitro*, and are particularly useful in the treatment of conditions associated with pathological receptor activation in humans, domesticated companion animals and livestock animals. Pharmaceutical compositions and methods for using such compounds to treat such disorders are provided, as are methods for using such ligands for receptor localization studies.